

## PRECISE ERROR REPORTING

### Abstract

5           A method is provided for the precise reporting of errors in a flow of  
successive messages. The method includes detecting a transmission error in a  
message and then deferring the reporting of the transmission error. The  
method defers the reporting of the transmission error by saving a sequence  
10   number for the message and by setting a deferred error flag in a state saved  
for the flow. The method processes the deferred transmission error when it  
receives an acknowledgement that completes an immediately preceding  
message in the flow. When a positive acknowledgement is received, the  
deferred transmission error is reported. When a negative acknowledgement is  
15   received, the deferred transmission error is ignored and a remote error is  
reported.

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